

FORM PTO-1449

Application Number

(Use several sheets if necessary)

Docket Number (Optional)

637.0003USQ

Applicant

Singer et al.

Filing Date

January 12, 2004

Application Number

~~10/755,846~~

Group Art Unit

2881

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>n</i>	0 955 641	11/10/99	Europe				X
<i>n</i>	05045605	2/26/93	Japan (English Abstract)			X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EP 00115730.4-2222, European Search Report, dated January 19, 2005

EXAMINER

DATE CONSIDERED

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10/253 026

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Docket Number (Optional) 2830	Application Number 10/725,846
		Applicant(s) WOLFF, S., ET AL <i>Steger et al.</i>	
		Filing Date 12/02/2003	Group Art Unit 2801

U.S. PATENT DOCUMENTS							
PATENT & TRADEMARK * EXAMINER INITIAL REF		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W		2,748,006	05/29/1956	KREIDL ET AL			

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
<i>W</i>		2 320 023 A	06/10/1998	GB			<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>W</i>		196 50 692 A1	06/19/1998	DE			<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>W</i>		973 350	01/28/1960	DE			<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 11/14/05
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CUSTOMER NO.: 27623

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637.0003USQ

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10/755,846

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

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01/12/2004

Group Art Unit

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(Use several sheets if necessary)

JUL 28 2004

U. S. PATENT DOCUMENTS

EXAMINER PATENT & TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>n</i>	5,581,605	12/96	Murakami et al.	378	84	
<i>n</i>	6,195,201	02/01	Koch et al.	359	366	
<i>n</i>	6,064,072	05/00	Partlo et al.	250	504R	
<i>n</i>	5,512,759	04/96	Sweatt	250	492.1	
<i>n</i>	6,396,068	05/02	Sweatt et al.	250	504R	
<i>n</i>	6,353,470	03/02	Dinger	355	71	
<i>n</i>	2002/0186811	12/02	Weiss et al.	378	34	
<i>n</i>	2003/0095623	05/03	Singer et al.	378	34	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>n</i>	EP 1434240 A1 (99106348.8)	6/04	Europe				X
<i>n</i>	WO 99/57732 (PCT/EP99/02999)	11/99	PCT				X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>n</i>	Marc A. Klosner and William T. Silfvast, "High-temperature lithium metal-vapor capillary discharge extreme-ultraviolet source at 13,5 nm" in Applied Optics, Vol. 39, No. 21, July 20, 2000, pp. 3678 - 3682
	M.A. Klosner et al., Applied Optics Vol. 40, p 4849 - 4851 (2001)
<i>n</i>	Hynn-Joon Shin, Dong-Eon Kim, Tong-Nyong Jee, "Soft X-Ray amplification in a capillary discharge" in Physical Review E, Vol. 50, No. 2 (1994), pp. 1376 - 1382

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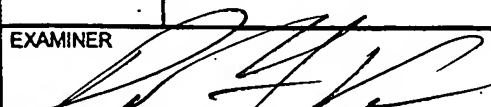
DATE CONSIDERED

11/18/05

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Sheet 2 of 7.

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FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Docket Number (Optional) 637.0003USQ		Application Number 10/755,846	
				Applicant Singer et al.			
				Filing Date 01/12/2004		Group Art Unit 2881	
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>12</i>	4,195,913	4/1/80	Dourte et al.	350	292		
	4,294,538	10/13/81	Ban	355	51		
	4,389,115	6/21/83	Richter	355	26		
	4,651,012	3/17/87	Clark et al.	250	505.1		
	4,740,276	4/26/88	Marmo et al.	204	7		
	5,148,442	9/15/92	O'Neil et al.	372	71		
	5,222,112	6/22/93	Terasawa et al.	378	34		
	5,353,322	10/4/94	Bruning et al.	378	34		
	5,339,346	8/16/94	White	378	34		
	5,361,292	11/1/94	Sweatt	378	34		
	5,402,267	3/28/95	Fürter et al.	359	727		
<i>12</i>	5,439,781	8/8/95	MacDowell et al.	460	311		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>12</i>	0066295 A1	12/8/82	Europe			Yes	
<i>1</i>	0359018 A2	3/21/90	Europe				No
	0939341 A2	9/1/99	Europe			Yes	
<i>12</i>	1026547A2	8/9/00	Europe			Yes	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)							
<i>12</i>	Murphy et al., "Synchrotron Radiation Sources and Condensers for Projection X-Ray Lithography", APPLIED OPTICS, Vol. 32, No. 34, pp.6920-6929 (1 December 1993)						
<i>12</i>	"Handbook on Synchrotron Radiation", Ernst-Echard Koch ed., pp.140-145, 1098-1111 (1983)						
EXAMINER 				DATE CONSIDERED 11/18/05			
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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>N</i>	5,440,423	8/8/95	Ogura	359	365	
	5,512,759	4/30/96	Sweatt	250	492.1	
	5,581,605	12/3/96	Murakami et al.	378	84	
	5,647,664	7/15/97	Hanečka	362	308	
	5,669,708	9/23/97	Mashima et al.	362	341	
	5,677,939	10/14/97	Oshino	378	34	
	5,737,137	4/7/98	Cohen et al.	359	859	
	5,755,503	5/26/98	Chen et al.	353	38	
	5,896,438	4/20/99	Miyake et al.	378	34	
	5,993,010	11/30/99	Ohzawa et al.	353	99	
	5,995,582	11/30/99	Terashima et al.	378	34	
	6,233,039	5/01	Yen et al.			
<i>N</i>	6,310,679	10/01	Shiraishi			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>N</i>	11044920A	2/99	Japan				
	403111806A	5/91	Japan				
	406265887A	9/94	Japan				
<i>N</i>	1072957	7/00	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>N</i>	"The Optics of Spectroscopy", Section 3: "Spectrometer Throughout and Etendue", downloaded from the internet Website: 18/httpwww.jyhoriba.co.uk/jy/oos/oos_ch3.htm
	
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<i>W</i>	2001/0030740	10/01	Mori et al.			
	2002/0009178	Jan 2002	Dinger et al.			
	2002/0041368	04/02	Ota et al.			
	RE38,438	2/04	Takahashi			
	4,688,932	8/87	Suzuki			
	5,071,240	12/91	Ichihara et al.			
	5,459,547	10/95	Shiozawa			
	5,715,084	2/98	Takahashi et al.			
	5,796,524	8/98	Oomura			
	5,805,356	9/98	Chiba			
	5,846,678	12/98	Nishigori et al.			
<i>W</i>	5,963,305	10/99	Mizouchi			

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U. S. PATENT DOCUMENTS							
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<i>N</i>	6,081,319	6/00	Ozawa et al.			X	
	6,198,793	3/01	Schultz et al.				
	6,208,707	3/01	Oshino				
	6,229,647	5/01	Takahashi et al.				
	6,236,449	5/01	Tanitsu				
	6,266,389	7/01	Murayama et al.				
	6,268,904	7/01	Mori et al.				
	6,325,514	12/01	Yamamoto				
	6,335,786	01/2002	Shiraisi				
	6,339,467	01/2002	Sato				
<i>N</i>	6,400,794	6/02	Schultz et al.				
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

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Docket Number (Optional)

63.7-0.003USQ

Application Number

10/755,846

Applicant

Singer et al.

Filing Date

01/12/2004

Group Art Unit

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U. S. PATENT DOCUMENTS

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